

INTERNATIONAL CONFERENCE

ARCHEOLOGICAL WOOD

NEW METHODS OF WOOD CONSERVATION
AND RESEARCH, FUTURE PROSPECTS

PROGRAMME

23 X 2026

**Polish Academy of Sciences
Scientific Center in Rome**

vicolo Doria 2, int. 6

Organised by:

Polish Academy of Sciences
Scientific Center in Rome

University of Life Sciences
in Poznań

University of Palermo

Department of Physics
and Chemistry – Emilio Segrè



Rome
Scientific Center



POZNAŃ
UNIVERSITY
OF LIFE SCIENCES



Università
degli Studi
di Palermo



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10:00-10:15 Welcome Speeches

Magdalena Wrana (Director of the Scientific Centre of the Polish Academy of Sciences in Rome)
Magdalena Broda (Poznań University of Life Sciences)
Giuseppe Lazzara (University of Palermo)

SESSION I | 10:15 - 11:30

10:15-10:35 **Błażej Majsak** (National Maritime Museum in Gdańsk)
Waterlogged Wood - Conservation Practices and Problems

10:35 - 10:55 **Marta Bełka** (Poznań University of Life Sciences)
Fungal Degradation of Archeological Wood

11:30-12:00 Q&A / Discussion

11:15 Coffee Break

SESSION II | 11:45 - 13:15

11:45 - 12:05 **Giuseppe Lazzara** (University of Palermo)
Archeological Wood Preservation from Nanomaterial Design: Experiences at University of Palermo

12:05 - 12:25 **Giuseppe Cavallaro** (University of Palermo)
BioPolymer/Halloysite Mixtures for Consolidation and Protection of Waterlogged Archeological Wood

12:25 - 12:45 **Lorenzo Lisuzzo** (University of Palermo)
Halloysite-Stabilised Pickering Emulsions as Sustainable Systems for the Conservation of Archeological Wood

12:45 - 13:05 **Magdalena Broda, Marta Górka** (Poznań University of Life Sciences)
Application of Organosilicon Compounds for Waterlogged Wood Conservation - Effectiveness and Stabilising Mechanisms

13:05 - 13:30 Q&A / Discussion

13:30 Lunch Break

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SESSION III | 14:15 - 15:35

- 14:15 - 14:35

Martina Maria Calvino (University of Palermo)

SANS Investigation of Consolidated Waterlogged Archaeological Wood under Variable Humidity Conditions
- 14:35 - 14:55

Elisa Villani, Silvia Capuani, Gabriele Favero (Sapienza University in Rome)

New NMR Protocols for the Study and Monitoring of the Dynamics, Interactions and Consolidation Process of Cellulosic Materials
- 14:55 - 15:15

Ingrid Stelzner (Leibniz Centre for Archaeology, Germany)

Stabilisation of Waterlogged Archaeological Wood: Comparative Analysis of Structural and Dimensional Changes Using Magnetic Resonance Imaging and X-ray Micro-Computed Tomography
- 15:15 - 15:35

Maria Luisa Saladino (University of Palermo)

The Case of Sister Ship. When Metals Meet the Underwater Wood”,
- 15:35 - 15:55

Q&A / Discussion

15:55 Coffee Break

- 16:15 - 17:30

Discussion about Potential Collaboration, Joint Research Ideas, and Project Proposals
- 17:30

Closing Remarks

Giuseppe Lazzara
Gabriele Favero
Magdalena Broda